

JOINT MINISTERIAL STATEMENT OF THE EIGHTH EAST ASIA SUMMIT ENERGY MINISTERS MEETING

24 September 2014, Vientiane, Lao PDR

1. The Eighth East Asia Summit Energy Ministers Meeting (EAS EMM) was held on 24th September 2014 in Vientiane, Lao PDR. The Meeting was chaired by H.E. Soulivong Daravong, Minister of Energy and Mines of Lao PDR and co-chaired by H.E. Daishiro Yamagiwa, State Minister of Economy, Trade and Industry of Japan. The Meeting was attended by the Ministers and Senior Officials responsible for energy from the EAS Participating Countries, namely ASEAN Member States, Australia, People's Republic of China, India, Japan, Republic of Korea, New Zealand, Russian Federation and the United States. The Deputy Secretary-General of ASEAN for ASEAN Economic Community was also in attendance.

2. The Ministers reaffirmed the importance of strengthening energy security and improving energy access in the EAS region in light of the development in global energy markets. The Ministers urged EAS participating countries to take appropriate actions towards improving energy efficiency, utilising biofuels for transport and other purposes, promoting alternative/renewable energy and developing open and transparent energy markets and infrastructures.

3. The Ministers noted that the total energy demand of the EAS participating countries would account for approximately 65% of the global energy demand by 2035. The Ministers reaffirmed the need to step up cooperation on energy efficiency in EAS region and welcomed the progress made on the implementation of the Energy Efficiency and Conservation (EE&C) Work Stream including:

- (a) Development of Energy Efficiency Goals and Action Plans;
- (b) EAS Energy Efficiency Cooperation Programme;
- (c) EAS Energy Saving Potential and EAS Energy Outlook;
- (d) Energy Efficiency Conference and Roadmap; and
- (e) Study on promoting Smart Energy Management.

The Ministers endorsed the EAS Work Plan of the EE&C Work Stream for 2014 – 2015.

4. The Ministers welcomed the successful convening of the Energy Efficient Buildings Workshop, held in Singapore from 2 – 4 September 2014, co-organised by Singapore and the United States under the auspices of the U.S.-Asia Pacific Comprehensive Energy Partnership (USACEP).

5. The Ministers noted the progress made in implementing the Biofuels for Transport and Other Purposes Work Stream and endorsed its Work Plan for 2014-2015 which includes Biofuels Database Project in East Asia Countries; Asia Biomass and Renewable Energy Researchers Invitation Program; and Benchmarking of Renewable Mobility Energy in EAS Countries.

6. The Ministers noted the progress made in implementing the Renewable and Alternative Power Generation Work Stream including the successful convening of Renewable and Alternative Energy Financing Workshop in April 2014 in Kuala Lumpur, and the Wind and Grid Integration Roundtable in June 2014 in Colorado, the United States. The Ministers also noted the Sustainable Hydropower Development in EAS Nations Project which will include a joint research project between the U.S. Department of Energy's National Renewable Energy Laboratory and the Brunei National Energy Research Institute in 2015 and, the Best Mix of Renewable and Conventional Energy Sources and the Sustainable Assessment of Utilising Conventional and New Type of Geothermal Resources conducted in collaboration with National Institute of Advanced Industrial Science and Technology (AIST)-Japan.

7. The Ministers affirmed the importance of sharing medium-to-long-term outlooks for energy supply and demand across the EAS region taking into consideration the region's growing energy demand, the probable implications of natural disasters and extreme weather on energy infrastructure, and the importance of maintaining and developing such infrastructure. The Ministers welcomed the Special Report on "World Energy Investment Outlook," published in conjunction with the IEA's 2014 edition of the World Energy Outlook, and ERIA's studies on East Asia Energy Outlook and Energy Market Integration in East Asia Region.

8. The Ministers recognised the economic benefits stemming from optimising electric power infrastructure through regional grid interconnection and called for cooperation to promote such interconnection among EAS participating countries. The Ministers noted the progress on the study on sustainable natural gas market and affirmed the importance of having competitive natural gas prices and the further promotion of a flexible, transparent and sustainable natural gas market. The Ministers also noted the commencement of a new study for promoting oil stockpiling in the region and the reinforcement of emergency response measures of EAS participating countries.

9. The Ministers noted the good progress made on the EAS study on nuclear safety management, and moved to support the safe and efficient development of nuclear power among interested countries. The Ministers recognised the importance of nuclear power as a clean, high-quality and advanced modern energy which will function as a base load power source in guaranteeing global energy security and sustainability and, in developing diversified energy strategies, meeting energy demand and reducing greenhouse gas emissions. The Ministers looked forward to further progress in pursuing regional nuclear safety and forging greater collaboration in capacity building in civilian nuclear energy.

10. Recognising that coal will remain a major fuel source in the region for the foreseeable future, the Ministers reiterated their collective call to step up efforts to develop cooperation programs, and promote clean coal technologies (CCT), such as high efficiency coal-fired power generation, carbon capture utilisation and storage, and the upgrading of low rank coal technologies. The Ministers acknowledged the need to continue adoption and deployment of clean coal technologies which can significantly address both the increase of electricity demand and reduction of greenhouse gas (GHG) emissions in the region.

11. The Ministers welcomed various research studies conducted with the technical assistance from ERIA, including the workshop held in June 2014 in Luang Prabang, Lao PDR. The Ministers requested ERIA to report the outcomes of the research activities to relevant ASEAN and EAS energy cooperation fora. The Ministers also welcomed the establishment of the Energy Research Institute Network (ERIN) and acknowledged the collaboration between ERIN and ERIA which was formalised through an MOU signing on 6 September 2014 in Bandar Seri Begawan, Brunei Darussalam.

12. The Ministers welcomed China's initiatives including Sustainable Development of New Energy and First EAS Clean Energy Forum. The Ministers noted the proposed Energy Smart City Project and Joint Research Project on East Asia Clean Energy Roadmap.

13. The Ministers agreed to meet again in Malaysia in September 2015.

14. The delegation from EAS participating countries, the ASEAN Secretariat and the ASEAN Centre for Energy expressed appreciation to the Government and people of Lao PDR for the warm hospitality accorded and the excellent arrangements made for the meeting.

MINISTERS FOR ENERGY OF EAS PARTICIPATING COUNTRIES

1. **H.E. John Williams**, Australian Ambassador to Lao PDR;
2. **Hon. Pehin Dato (Dr.) Mohammad Yasmin Umar**, Minister of Energy at the Prime Minister's Office of Brunei Darussalam;
3. **H.E. Suy Sem**, Minister of Mines and Energy of Cambodia;
4. **H.E. Guan Huabing**, China's Ambassador to Lao PDR;
5. **Mr. Abhay Bakre**, Executive Director of Petroleum Conservation Research Association, Ministry of Petroleum and Natural Gas of India, representing H.E. Dharmendra Pradhan, Minister of State (Independent Charge) for Petroleum and Natural Gas of India;
6. **H.E. Susilo Siswoutomo**, Vice Minister of Energy and Mineral Resources of Indonesia;
7. **H.E. Daishiro Yamagiwa**, State Minister of Economy, Trade and Industry of Japan;
8. **H.E. Chung Yang Ho**, Deputy Minister, Minister of Trade, Industry and Energy of the Republic of Korea;
9. **H.E. Soulivong Daravong**, Minister of Energy and Mines of Lao PDR;
10. **H.E. Dato' Seri DiRaja Mahdzir bin Khalid**, Deputy Minister of Energy, Green Technology and Water of Malaysia;
11. **H.E. U Aung Htoo**, Deputy Minister of the Ministry of Energy of Myanmar;
12. **H.E. Reuben Levermore**, Ambassador-designate, New Zealand Embassy, Bangkok;

13. **H.E. Loreta G. Ayson**, Undersecretary, Department of Energy of the Philippines;
14. **H.E. Yury Sentyurin**, Deputy Minister of Energy of Russia;
15. **Mr. Chee Hong Tat**, Chief Executive of Energy Market Authority of Singapore, representing H.E. S. Iswaran, Minister in the Prime Minister's Office and Second Minister for Home Affairs and Trade and Industry of Singapore;
16. **H.E. Dr. Narongchai Akrasanee**, Minister of Energy of Thailand;
17. **Dr. Phyllis Yoshida**, Deputy Assistant Secretary, Asia, Europe and the Americas, U.S. Department of Energy, representing H.E. Dr. Ernest J. Moniz, Secretary of U.S. Department of Energy.
18. **H.E. Dr. Cao Quoc Hung**, Deputy Minister of the Ministry of Industry and Trade of Viet Nam;
19. **H.E. Dr. Lim Hong Hin**, Deputy Secretary General of ASEAN for ASEAN Economic Community.